

THE RED CLOUD CHIEF

A. C. HOGBER, Proprietor

FRIDAY, AUGUST 22, 1884

Physiology of the Heart.

Dr. R. Sutton, of Kansas, it is said, has made two wonderful discoveries of late, viz: What causes the heart to pulsate, or beat as he calls, and the origin or source of animal heat, &c. So far as the agency of electricity has any thing to do with these causes, it would be difficult for him or any other scientific physiologist to ascertain. These old electrical theories, so far as they have anything whatever to do with the vital economy of organisms, have been long since given way for more rational opinions. In the early days of physiology there were a class of thinkers who claimed that the various functions of the body, were carried on by electricity, but experiments and facts soon showed that the electricity had nothing to do with the vital operations of the animal organism. All investigation and research stand in opposition to this electrical theory. There are some statements in Dr. Sutton's theories in reference to the causes of the beat of the heart, and source of animal heat, which I would like to know more about. For instance how does a battery and a telegraph wire, all in operation, (which is his illustration) illustrate the heart beat? I would like to know who has witnessed these things going on in the heart, of which he so positively speaks. To make myself more readily understood, I will repeat his words. He says, "The very instant the newly received blood connects with the blood in the heart we illustrate the heart beat." Upon the heart that was seen to be exerted on the muscles of the forearm, when the conductor was connected with the battery. "Who knows that to be a fact? We must not beg this question my dear brother. You nor no one else knows whether electricity excites the heart more than the other part or no. I will not attempt to follow this wild idea any further, as I fear it is not worth much when caught. If I am not much mistaken the pulsations of the heart are fairly well understood. Haller, perhaps one of the greatest physiologists of his time, says the action of the heart is spontaneous. The arterial system is in motion from the beginning to the end of life, and will continue to act for a time after the cells are separated from the organism. Connection of the heart with the nervous system is not necessary to its action, for it will continue to act after it has been entirely removed from the body. Dr. Huxley speaks of the hearts of frogs and turtles contracting ten to twenty-four hours after their removal from the body. The great law governing action of the heart in its rhythmical contractions depend upon the irritability inherent in its muscular fibers and not on "electrical shocks." Haller applied this law or theory to the heart, and says the heart possesses the property of irritability in the highest degree. It has been further proven that the heart will pulsate and contract on animals poisoned with woorara which paralyzes the motor nervous system. Which will you accept, this or Dr. Sutton's theory supported by facts? As to the origin of animal heat he stands alone if we call it standing at all. We have not the time or space to devote to a minute examination of his theory on this part of his subject. All scientific writers, scholars, and thinkers are pretty well agreed on the subject of the origin of animal heat. There are two theories on this important subject, viz: The chemico-vital and combustion theories. The chemico-vital is not in opposition to the combustion theory, as taught by most physiologists of the present day. It is an unfortunate use of terms to apply the name combustion to the general process of nutrition. Chemico-vital and combustion so far as they refer to the production of animal heat, are intended to mean the same process. The chemico-vital theory includes respiration, digestion, circulation, secretion, excretion, nutrition, and elimination. Combustion, the generation of animal heat in the living organism, is considered more or less with all the processes of nutrition and assimilation, including the combustion of oxygen and the production of carbonic acid. Every function of the body has more or less to do with the process of nutrition. All the foregoing vital processes are attended by the production of heat which is known as animal heat, or ordinary heat of the body. It may be asked in what part of the body is this heat generated. It is not in the lungs, as the blood coming from them is no warmer than before it went to them, so for every organ in the body. I believe there are no physiologists of the present day who hold the opinion that there is any organ or part of the body concerned in the special and exclusive production of heat.

J. M. MOSENA, M. D.

It is with a feeling of pride and pleasure that the farmers of Webster county learn that we are going to have a fair, and one that will be a credit to our county. The general expression of the farmers is that they are happy that the business men are taking such a decided interest in the matter, and hope they will push everything to its completion. Many of the farmers have commenced to groom their blooded stock for exhibition, and the cereal and vegetable display will be large. It is to be hoped that the grounds will be fenced in excellent shape, and that the art, floral, vegetable, and agricultural departments will have suitable buildings in which the above can be properly displayed. Also that the cattle stalls and sheds will be placed in some kind of rate or order, and last but not least, to have a first-class half mile track, so that the high-flyers and fast steppers will have a good chance to show their style and try their metal. There is one thing we understand and that is there will be no entrance charged on articles of entry or in other words the article that reads "an entrance fee of ten per cent on the premium competed for will be charged at the time of entry," is repealed, and we think it a sensible move, for where there is no entrance fee no body can kick if they don't get a premium, whereas heretofore there was a great deal of fault found by parties who were so sensitive because they had paid an entrance fee of ten per cent and did not get a \$50 cash premium on a miniature article. The farmer in one sense appreciates the interest the business men of Red Cloud are taking in the fair, and the energy with which they are trying to make it a permanent success. And on the other hand they are doing only what they should for it. If Nature was to take the farming and agricultural pursuits from our county, then Red Cloud would be a dead chick in the shell. We only hope that the good work will swiftly advance, and that the farmers can learn through our county papers of next week that everything about the fair is nearing completion, and will all be in apple pie order for the grand entry on the advertised date.

With best wishes for a successful fair I remain yours, etc. T.

FOR SALE—A desirable hotel for sale, cheap for cash, or will trade for desirable farming lands. Inquire of Geo. O. Yeiser & Co., Real Estate Agents, Red Cloud. 2-2t

Fine Farm For Sale.
A quarter section of land for sale, Price \$1100. Good sod house with two rooms, two wells of water, 100 shade trees, 50 fruit trees, 35 acres under cultivation, 120 acres good plow land, situated in Walnut Creek precinct. For further particulars inquire at this office.

Dressmaking.
Mrs. G. S. Taylor is prepared to do all kinds of dressmaking on short notice, and at reasonable rates. One door east Commercial house. 52tf

More Trouble
is caused by decayed teeth than people generally are aware of, in the shape of sore eyes, indigestion, neuralgia, etc. If they can be saved have them filled at once. All kinds of fillings inserted at Parker's dental rooms over Sherer's drug store.

It is a desirable to go through life with "snags" in the mouth, making the breath foul and affecting the stomach. All kinds of artificial teeth made at Parker's dental rooms, over Sherer's drug store.

TRUE MERIT.
A Charming Remedy for Diarrhoea and Summer Complaints.

"We have used all your Tonic astringent with happy results. Not a single complaint relating to it has ever reached us."—Jones & Jackson, druggists, Jonesburg, Mo.
"This is the best of two dozen Marsh's tonic astringent at once. It works a charm in diarrhoea and summer complaint."—[Ward & Venable, druggists, Pattonburg, Mo.
Marsh's tonic astringent for sale by Henry Cook druggist, Red Cloud. It quickly cures diarrhoea, dysentery, cholera infantum, cholera morbus, and the summer complaint of children. It is a delightful remedy for old and young. Price 50 cents.

Advertisements.

FOR SALE.
30 Yearling Wether
100 Wether Lambs!
TERMS, CASH.
Call on or address,
HASSON BROS.,
Cowles, Neb.

AN ORDINANCE.
An ordinance, relative to licensing peddlers, booth, stand, or stall keepers, wheel of fortune, circuses, menageries, and side-shows revolving swings, and shooting galleries.

Be it ordained by the chairman and board of trustees of the village of Red Cloud, Nebraska, that any person desiring to engage in any of the occupations or business hereinafter mentioned, within the corporate limits of the village of Red Cloud, shall pay to the village treasurer of the village of Red Cloud, a license tax and procure a license as hereinafter designated.

For keeping a stall, stand or booth for the purpose of vending any article of merchandise except refreshment stands, \$5 per day.
Refreshment stands and lunch counters \$2.50 per day.
For keeping any stall, stand, or booth for exhibiting any animal or animals gain \$2 per day.
For operating a wheel of fortune or any other game of chance, \$25 per day.
For exhibiting a circus or menagerie, \$15.
And for each and every sideshow or tent, \$2.50 per day.
For peddling any article of merchandise except books and periodicals, \$1.50 per day.
For operating a shooting gallery, \$1 per day.
For operating a revolving swing \$2 per day.

Sec. 2. Any person or persons desiring to obtain a license for any of the purposes mentioned in this ordinance shall pay the sum or sums therefor required by this ordinance, into the hands of the city treasurer, taking his receipt therefor, which receipt shall be presented to the city clerk, who shall place the same among the files of his office and issue a license to the person applying therefor, for the purpose for which application was made, which said license, when countersigned by the chairman of the board of trustees, or in case of his absence from the village by any member of the board shall be valid for the purposes for which it was issued. In no case, however, shall this license extend beyond the municipal year in which it shall have been granted.

Sec. 3. Nothing in this ordinance shall be so construed as to require executors, administrators, sheriffs, constables, or trustees, or to any other persons who may desire to vend any property by virtue of their office, to procure a license as by this ordinance required.
Sec. 4. Any person or persons who shall violate any of the provisions of this ordinance shall, upon conviction thereon, be fined in any sum not less than \$25 nor more than \$100, or thirty days imprisonment in the county jail, and shall stand committed until the final costs are paid.
Sec. 5. Ordinance No. 28, and all ordinances in conflict with this ordinance, are hereby repealed.

TEST YOUR BAKING POWDER TO-DAY!

Trade advertised on absolutely pure COSTA'S BAKING POWDER

THE TEST!
Place a tea spoon full on a hot stove until heated, then remove the cover and smell. A chemical will not be so quick to detect the presence of ammonia.



DOES NOT CONTAIN AMMONIA.
ITS REPUTATION HAS NEVER BEEN QUESTIONED.
In a million homes for a quarter of a century it has stood the consummation reliable test.

THE TEST OF THE OVEN.
PRICE BAKING POWDER CO.,
MADE BY
Dr. Price's Special Flavoring Extracts,
Dr. Price's Lupulin Yeast Gems
For Light, Healthy Bread, The Best Dry Mix-
TURE IN THE WORLD.
FOR SALE BY GROCERS.
CHICAGO. ST. LOUIS.

LIGHT HEALTHY BREAD



The best dry hop yeast in the world. Bread raised by this yeast is light, white and wholesome like our grandmothers' delicious bread.

GROCERS SELL THEM.
Prepared by the
Price Baking Powder Co.,
MADE BY Dr. Price's Special Flavoring Extracts,
CHICAGO, Ill. ST. LOUIS, Mo.

LEGAL NOTICE.

STATE OF NEBRASKA, WEBSTER COUNTY.
To C. S. Coyne: You will take notice that on the 14th day of July, 1884, T. J. Ward, a Justice of the peace of Webster County, Nebraska, issued an order of attachment for the sum of \$20 in action pending before him wherein Peak & Latta are plaintiffs, and C. S. Coyne is defendant. The property consisting of money, rights, and credits, in the possession of the R. & M. R. Ry. Company, has been attached under said order. Said cause was continued till the 1st of September, 1884, at 2 o'clock afternoon. PEAK & LATTA Plaintiffs.

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Located at Franklin, Franklin Co., Nebraska.
Christian--Unsectarian.
Five Courses of Study!
Academic 4 years,
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Healthful location, Surroundings moral, No Saloons, Terms Reasonable, Library, Physical apparatus, Geological Cabinet, Reading Room, &c.
Instruction Thorough!
For Catalogue, address,
Rev. W. Hampton,
Principal.

SEE US!

Wishing to make room for our Fall and winter Goods, we offer the following prices on goods named until further notice:

OILS.
Black Oil, per gal. - 20c
Colden Oil, good, - 35c
Machine, Castor, - 75c
Ext. Lard Oil, - 70c

Our entire stock of Drugs at astonishingly low prices.

HARDWARE.
Nails at \$3 75 per 100 pounds.
Door Lock, good, 3 for \$1 00.
Door Hinges 2 1/2x2 with screws, ten cents per pair.
Door Hinges 3x2 with screws, 10c.
Milk pans, 6 qt. per doz. \$1.10.
All other small goods in proportion.

Also, carry a full line of
GROCERIES,
DRY GOODS
Boots, Shoes, Hats, Caps, Gent's Furnishing Goods, Notions, etc, which we offer very low for cash.
PEAK & LATT,
COWLES, - NEB.



WHOLESALE
<SLAUGHTER!>
OF GROCERIES
Queensware,
GLASS AND WOODEN WARE!

I am going to close out the above goods to make room for the Largest Stock of
DRY GOODS!

Ever seen in Red Cloud. Also, immense Bargains in Dry Goods, Clothing, Boots, shoes, &c.
A S Marsh,
Bank Block, Red Cloud.

25 to \$50 Per Day
— Can easily be made using the —

OLD RELIABLE VICTOR
Well Boring & Rock drilling Machinery
We mean it and are prepared to demonstrate the fact. The well merited success which has crowned our efforts during the past fifteen years, and with excelsior for our motto, we are Monarch of all in every country in the world. Our machinery is operated by either Man, Horse or Steam and works very rapidly. They range in sizes from
3 inch to 4 1-2 Feet in Diameter.

And will bore and drill to any required depth. They will bore successfully and satisfactorily in all kinds of earth, soft sand and limestone, bituminous, stone coal, slate, hard pan gravel, lava boulders, serpentine and conglomerate rock, and guaranteed to make the best of wells in quick sand. They are light running, simple in construction, easily operated, durable and acknowledged as the best and most practical machine extant. They are endorsed by some of the highest State officials. They are also used extensively in
Prospecting for Coal, Gold, Silver, Coal Oil
And all kinds of Minerals, and for sinking Artesian wells and coal shafts, &c., they are unexcelled. We also furnish Engines, boilers, wind mills, Hydraulic Rams, Horse powers, Brick Machines, Mining tools, Portable Forges, Rock Drills and Machinery, of all kinds.
Good live agents wanted in every country in the world. Address,
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511 Pine St., St. Louis, Missouri, U.S.A.
State what paper you saw this in. n3-1y

AT COST!
30 Days - 30 Days
DRY GOODS,
NOTIONS, BOOTS, SHOES,
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COWLES, - NEBRASKA.
Save your money by buying your goods of him. Get Prices elsewhere, and then go to his store and procure unboarded bargains.
Good Meat! Good Weight!! Fair Prices!!!
has always been the motto of Mosher's old stand.

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Are trying to stick to it, and will to the people of Red Cloud and vicinity
Best of Everything!
to be had in a first-class Groceries Shop? Come and see them and get your
BEEF,
PORK,
LARD,
Mutton and Chickens, Sausage of all sizes, Cakes and Cakes, and the best. Also, we will supply highest quality Groceries, India, etc.

Best Policy."

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DEALER IN

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BOOTS AND SHOES!
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Call and examine by stock sales the
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Assortment in the city
Prices, the Very
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FREE OF CHARGE.
\$4 per Month and Cash Market Rates.

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Dealer in
Guas, Revolvers, Ammunition, Sewing Machines,
&c., &c. Repairing a Specialty. All kinds of Sewing Machine Repairs.
Red Cloud, - Nebraska.

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— DEALER IN —
HARDWARE
Stoves, Gasoline Stoves, Tinware, Nails
Barbed Wire, and the Largest and Most extensive line of goods in the valley.
Your favors respectfully solicited. Prices to suit the times and don't you forget it.
RED CLOUD, - NEBRASKA.

T. C. HACKER,
STAPLE AND FANCY GROCER,
FREE DELIVERY
Groceries. **Red Cloud, - Nebraska,** **FREE DELIVERY**
Groceries. FULL LINE OF
Groceries. **Choice Groceries,** **Provisions**
Groceries. **Provisions,** **Provisions**
Groceries. **Canned Fruits,** **Provisions**
Groceries. **Cigars, Etc.,** **Provisions**
Your patronage is respectfully solicited. Satisfaction guaranteed.

A. CUMMINGS,
Dealer in Flour, Feed, Meal, Cigars
Tobaccos, Potatoes, Canned Fruits, Confectionery, etc.
Old Stand, - Red Cloud.
Prices Very Low. Meals served at all hours
Call and see his stock of Goods.

"Acme" Pulverizer
How rarely does a farmer contrive a more nearly perfect tool with satisfaction? The Acme Pulverizer is made of the best material, and is so constructed that it will pulverize the surface of the soil to the depth of six inches, and will break up the hard, compacted soil and will scatter it for miles. It is the only pulverizer of the kind, and is the most perfect of its kind in the world. It is the only pulverizer of the kind that will pulverize the soil to the depth of six inches, and will break up the hard, compacted soil and will scatter it for miles. It is the only pulverizer of the kind that will pulverize the soil to the depth of six inches, and will break up the hard, compacted soil and will scatter it for miles.
John Boesch, Amboy, Neb